

MICROCRYSTALLINE WAXES: TYPICAL PROPERTIES & APPLICATIONS



TYPICAL PROPERTIES OF MULTIWAX® MICROCRYSTALLINE WAXES

PRODUCT	MELTING POINT ASTM D-127		NEEDLE PENETRATION @ 77°F (25°C) ASTM D-1321	VISCOSITY @ 210°F SUS ^a cSt ^b		COLOR ASTM D-1500		FLASH POINT COC ASTM D-92 °F (°C)
	°F	°C				VISUAL		
180-W	175/188	79/87	15/22	75/Min.	14.3/Min.	White	+16 Min. ^c	530 (277) Min.
180-M	175/188	79/87	15/22	75/Min.	14.3/Min.	Light Yellow	1.0/2.0	530 (277) Min.
ML-445	170/180	77/82	25/35	75/90	14.3/18.0	Light Yellow	1.0/2.0	530 (277) Min.
W-445	170/180	77/82	25/35	75/90	14.3/18.0	White	+16 Min. ^c	530 (277) Min.
W-835	165/175	74/79	60/80	75/90	14.3/18.0	White	+16 Min. ^c	475 (246) Min.
^a ASTM D-2161								
^b ASTM D-445								
^c ASTM D-156 (Saybolt color)								

The above waxes meet the requirements for Microcrystalline Wax NF as per the National Formulary (current revision), and comply with the requirements of 21 CFR 172.886 and FDA 21 CFR 172.3710 for food grade petroleum waxes.

Color: Many of the above grades are available on special order in colors other than those listed above.

MULTIWAX® MICROCRYSTALLINE APPLICATIONS

	180-W	180-M	ML-445	W-445	W-835
Candles	■	■	■	■	
Chewing Gum	■	■	■	■	■
Cosmetics	■		■	■	■
Crayons			■	■	■
Dental Products			■	■	■
Electrical Grades	■	■	■	■	■
Hot Melt Adhesives	■	■	■	■	■
Laminating Grades			■	■	■
Lubricating Grades			■	■	■
Modifying Grades	■	■	■	■	■
Paste-Up Grades			■	■	■
Pharmaceutical Grades	■	■	■	■	■
Rustproofing Grades	■	■	■	■	■
Sculpture Grades			■	■	■
Sealant Grades			■	■	■